

Hamed Heidari Mezerji

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,181
citations

430874

18
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

2320
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron tomography based on a total variation minimization reconstruction technique. <i>Ultramicroscopy</i> , 2012, 113, 120-130.	1.9	204
2	Magnetic Drug Targeting: Preclinical in Vivo Studies, Mathematical Modeling, and Extrapolation to Humans. <i>Nano Letters</i> , 2016, 16, 5652-5660.	9.1	140
3	Steric Hindrance Induces crosslike Self-Assembly of Gold Nanodumbbells. <i>Nano Letters</i> , 2012, 12, 4380-4384.	9.1	91
4	Oxidation of Binary FeCr Alloys (Fe ^{2.25} Cr, Fe ¹⁰ Cr, Fe ¹⁸ Cr and Fe ²⁵ Cr) in O ₂ and in O ₂ +H ₂ O Environment at 600°C. <i>Oxidation of Metals</i> , 2011, 75, 183-207.	2.1	90
5	Advanced reconstruction algorithms for electron tomography: From comparison to combination. <i>Ultramicroscopy</i> , 2013, 127, 40-47.	1.9	74
6	Triple-Modal Imaging of Magnetically-Targeted Nanocapsules in Solid Tumours <i>In Vivo</i> . <i>Theranostics</i> , 2016, 6, 342-356.	10.0	55
7	Oxidation of Fe ¹⁰ Cr in O ₂ and in O ₂ +H ₂ O environment at 600°C: A microstructural investigation. <i>Corrosion Science</i> , 2013, 75, 326-336.	6.6	50
8	A Framework to Account for Sedimentation and Diffusion in Particle-Cell Interactions. <i>Langmuir</i> , 2016, 32, 12394-12402.	3.5	48
9	Seedless Synthesis of Single Crystalline Au Nanoparticles with Unusual Shapes and Tunable LSPR in the near-IR. <i>Chemistry of Materials</i> , 2012, 24, 1393-1399.	6.7	47
10	The properties of SIRT, TVM, and DART for 3D imaging of tubular domains in nanocomposite thin-films and sections. <i>Ultramicroscopy</i> , 2014, 147, 137-148.	1.9	45
11	A practical method to determine the effective resolution in incoherent experimental electron tomography. <i>Ultramicroscopy</i> , 2011, 111, 330-336.	1.9	42
12	Oxidation potential in the Earth's lower mantle as recorded by ferropericlase inclusions in diamond. <i>Earth and Planetary Science Letters</i> , 2015, 417, 49-56.	4.4	40
13	Plasmonic Nanodiamonds: Targeted Core-Shell Type Nanoparticles for Cancer Cell Thermoablation. <i>Advanced Healthcare Materials</i> , 2015, 4, 460-468.	7.6	39
14	Shelf Life Degradation of Bulk Heterojunction Solar Cells: Intrinsic Evolution of Charge Transfer Complex. <i>Advanced Energy Materials</i> , 2015, 5, 1401997.	19.5	32
15	A protecting group approach toward synthesis of Au-silica Janus nanostars. <i>Chemical Communications</i> , 2014, 50, 79-81.	4.1	28
16	Quantitative Tomography of Organic Photovoltaic Blends at the Nanoscale. <i>Nano Letters</i> , 2015, 15, 6634-6642.	9.1	28
17	Nanoscale mapping by electron energy-loss spectroscopy reveals evolution of organic solar cell contact selectivity. <i>Organic Electronics</i> , 2015, 16, 227-233.	2.6	25
18	Synthesis of uniformly dispersed anatase nanoparticles inside mesoporous silica thin films via controlled breakup and crystallization of amorphous TiO ₂ deposited using atomic layer deposition. <i>Nanoscale</i> , 2013, 5, 5001.	5.6	23

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19	Silver Ions Direct Twin-Plane Formation during the Overgrowth of Single-Crystal Gold Nanoparticles. ACS Omega, 2016, 1, 177-181.	3.5	18
20	Seeing and measuring in 3D with electrons. Comptes Rendus Physique, 2014, 15, 140-150.	0.9	17
21	Wet-STEM Tomography: Principles, Potentialities and Limitations. Microscopy and Microanalysis, 2014, 20, 366-375.	0.4	14
22	Formation and Thermal Stability of Gold-Silica Nanohybrids: Insight into the Mechanism and Morphology by Electron Tomography. Angewandte Chemie - International Edition, 2014, 53, 3970-3974.	13.8	11
23	Interplay of Interfacial Layers and Blend Composition To Reduce Thermal Degradation of Polymer Solar Cells at High Temperature. ACS Applied Materials & Interfaces, 2018, 10, 3874-3884.	8.0	11
24	Quantitative electron tomography: The effect of the three-dimensional point spread function. Ultramicroscopy, 2013, 135, 1-5.	1.9	6